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SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 18 78 08 21

Classification of the application (IPC):

**B29C 45/14, B29C 45/16, H01B 13/00, H01B 1/02, B29K 705/02, B29K 705/10, B29C, H01B
B29L 31/00**

Technical fields searched (IPC):

**B29C 45/14, B29C 45/16, H01B 13/00, H01B 1/02, B29K 705/02, B29K 705/10, B29C, H01B
B29L 31/00**

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X Y A	US 2016093862 A1 (DEKEUSTER RICHARD M [US] ET AL) 31 March 2016 (2016-03-31) * paragraphs [0045], [0051], [0061] *	1, 3 2, 4-6 7-15
X A	JP 2009219320 A (AUTONETWORKS TECHNOLOGIES LTD; SUMITOMO WIRING SYSTEMS ET AL.) 24 September 2009 (2009-09-24) * paragraphs [0042], [0043], [0008], [0009], [0073]; figures 1-3 *	1 2-15
Y	GB 2330253 A (TOYOTA MOTOR CO LTD [JP]) 14 April 1999 (1999-04-14) * page 24, paragraphs 2,3; figures 19,20 * * page 38,, paragraph 5 - page 39, paragraphs 1,4 *	2, 4-6
A	KR 20160001383 U (KOREA ELECTRIC TERMINAL CO LTD) 29 April 2016 (2016-04-29) * paragraph [0023] - paragraphs [0027], [0032], [0033], [0044] *	1-15
A	JP 2017004873 A (YAZAKI CORP) 05 January 2017 (2017-01-05) * paragraphs [0045], [0046] *	1-15
Y	JP 2014065176 A (YOSHII DENSHI KOGYO KK) 17 April 2014 (2014-04-17) * paragraph [0054]; figures 2,3 *	2

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 13 October 2020	Examiner Mans, Peter
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone
Y: particularly relevant if combined with another document of the same category
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& : member of the same patent family, corresponding document

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T: theory or principle underlying the invention
E: earlier patent document, but published on, or after the filing date
D: document cited in the application
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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 13-10-2020
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2016093862	A1	31-03-2016	CN 107112453 A	29-08-2017
			EP 3201035 A1	09-08-2017
			US 2016093862 A1	31-03-2016
			WO 2016053415 A1	07-04-2016
JP 2009219320	A	24-09-2009	JP 5216378 B2	19-06-2013
			JP 2009219320 A	24-09-2009
GB 2330253	A	14-04-1999	DE 19847190 A1	10-06-1999
			GB 2330253 A	14-04-1999
			JP 3343888 B2	11-11-2002
			JP H11120986 A	30-04-1999
			US 6168470 B1	02-01-2001
			US 6240637 B1	05-06-2001
KR 20160001383	U	29-04-2016	NONE	
JP 2017004873	A	05-01-2017	NONE	
JP 2014065176	A	17-04-2014	JP 5996986 B2	21-09-2016
			JP 2014065176 A	17-04-2014